

Electron Hydro Diversion Repair and Spillway Replacement Project Artificial Turf Material Removal Plan - DRAFT

Prepared August 27, 2020

This plan documents the proposed approach to remove artificial turf (Field Turf) material from the Puyallup river located between the Electron Hydro flow diversion and the confluence of Kellogg Creek approximately 1.5 miles downstream. Four pieces of artificial turf were identified within this river reach during reconnaissance conducted on August 10, 2020. Removal of the turf is required by federal, state, and local regulator agencies. This plan minimizes the effects of the material removal activities on aquatic habitat and species.

A labor crew will travel on foot down the river channel to identify and locate all pieces of artificial turf within the 1.5-mile river segment. It is expected that all crumb rubber originally embedded in the green turf fabric was removed during transport by flow down the river. The crew will take extra care to contain any residual crumb rubber during the removal process by rolling up the turf pieces with the top surface interior to the roll, tying the roll to secure it, and wrapping the roll in plastic sheeting to prevent any further release of crumb rubber.

The crew will remove turf pieces from the wetted channel by hand using manual labor or block and tackle for larger pieces that cannot be carried or dragged out of the water by hand. Any material that can be moved by hand will be relocated to the logging road parallel to the channel on the right bank for pickup and transport by truck. Larger, heavier pieces will be moved to an open dry gravel bar, double wrapped in plastic tarp, and prepared for pickup and transport by helicopter.

Artificial turf pieces transported by truck will be taken directly to the Pierce County landfill (LRI Landfill, 17925 Meridian St. East., Puyallup, WA 98375) for disposal. Artificial turf pieces transported by helicopter will be transported to the upper staging area at the intake site on Electron Hydro property for direct placement into a dump truck. **Figure 1** identifies the drop off zone within the upper staging area. The upper staging area is part of the project work site identified and included under the Construction Stormwater General Permit issued by Washington Department of Ecology. Handling and transport of artificial turf material will be conducted in compliance with Best Management Practices (BMPs) and conditions of that permit. The artificial turf pieces will be transported by dump truck directly to the Pierce County landfill for disposal.